Date: Mon, 22 Nov 93 04:30:43 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #109
To: Ham-Equip

Ham-Equip Digest Mon, 22 Nov 93 Volume 93 : Issue 109

Today's Topics:

Best 2m handheld?
Look 4 remote coax switch / plans for one
RTTY on the PC
SSB CW filters
Tentec Scout 555 or a Yaesu FT747GX?
TenTen Scout 555 or Yaesu FT-747GX?

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

Date: 21 Nov 93 18:09:46 GMT
From: psinntp!sfpp.com!longo@uunet.uu.net
Subject: Best 2m handheld?
To: ham-equip@ucsd.edu

I just passed my Part 3A technician license and am awaiting my license. I
am now trying to figure out what handheld 2m (or possibly dual-band) radio
to buy.

Is there one brand or model that stands out as the best? On the other side
of the coin - what should I stay away from and why?

Forgive me if this has been answered a million times before. If there is an
FAQ that already answers this question, please point me to it.

Thanks for any information and opinions that you have to offer!

-Bob Longo
==========
Bob Longo (longo@sfpp.com)
Santa Fe Pacific Pipelines
Los Angeles, CA

Date: 19 Nov 1993 19:04:04 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!haven.umd.edu!cville-srv.wam.umd.edu!ham@network.ucsd.edu
Subject: Look 4 remote coax switch / plans for one
To: ham-equip@ucsd.edu

I am looking for a remote coax switch, or for plans/schematics for building
one. Can anyone out there in netland help?

--
73,   _________   _________ The
       \ / Long   Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live $5.00
  WAC-CW/SSB WAS DXCC - 115 QSLed on dipoles __________| Dipoles! Antenna!

Date: Thu, 18 Nov 1993 15:01:20 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com!emory!news-feed-1.peachnet.edu!concert!corpgate!nrtpa038!bnr.ca!harp@network.ucsd.edu
Subject: RTTY on the PC
To: ham-equip@ucsd.edu

In article <9311161022.AA12825@pwtc.tc.pw.com> Jason_Phillips@europe.notes.pw.com writes:
>From: Jason_Phillips@europe.notes.pw.com
>Subject: RTTY on the PC
>Date: 16 Nov 1993 04:28:32 -0600
>Does anyone have any help/advice on converting the audio output from my
>shortwave reciever to the serial input of my PC compatible?
>
> I have an Amstrad 2386 computer running DOS 6 and Windows 3.1
>
>"money to tight to mention" at the moment so I'm limited to around $20 !
>
>I am not able to read this newsgroup because I'm posting via a gateway and
>therefore would vastly prefer email responses. Our technical bofins tell me
>that the following address should work:
>

>>INTERNET:JASON_PHILLIPS@NOTES.PW.COM
>
>Thank's in advance,
>Jason
There used to be a box made by AEA (I think) called the CP1. It was just
a modem. You need software to convert the Baudot codes to ASCII. You
connected to a serial port. Had to set baud rates and word lengths to
accept ASCII.

When multimode TNCs came out these CP1 boxes became very cheap.

The multimode TNCs such as the AEA PK232 do it all for you. There are
several versions of these by now. I've lost track of them.

****
* Alan Harp K4PB   *   Bell-Northern Research   *   CW FOREVER   *
* mail: harp@bnr.ca *   Research Triangle Park, NC   *   *
****

Date: Sun, 21 Nov 1993 13:08:03 GMT
From: agate!howland.reston.ans.net!darwin.sura.net!haven.umd.edu!cs.umd.edu!
anagld!gkahn@ames.arpa
Subject: SSB CW filters
To: ham-equip@ucsd.edu

Which is preferable for Kenwood TS-850S?
  1) I.F. narrow band filters for SSB/CW, or
  2) DSP at the audio output?

Please respond via e-mail to gkahn@sed.csc.com. Thanks.

Gary Kahn (for Jack Kahn, KE4CPI)

Date: 18 Nov 1993 14:48:55 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!sol.ctr.columbia.edu!caen!
malgudi.oar.net!news.ysu.edu!yfn.ysu.edu!ag821@network.ucsd.edu
Subject: Tentec Scout 555 or a Yaesu FT747GX?
To: ham-equip@ucsd.edu

In a previous article, auchd@acad2.alaska.edu () says:

>I am caught in a classic battle of ham radio. I'm trying to decide on a radio.
>I'm am stuck between a Tentec Scout 555 and a Yaesu FT747GX. Any information
>that you could provide me about these two radios would be appreciated and vital

>to clearing up my confusion.
>
>James Wiedle
>WL7NO
>

Well, I just finished testing the Scout 555, and have owned the757. It
depends on what you plan on doing with the radio. Both radios are
good for what ehy do. I would look for a used 757 which you can
get for the price of a new scout.. but a 747 should be good also.
The Yaesu will do a lot more things than the Scout.. rtty, Pactor,
operates on all bands, and puts out 100 watts if you should need it.
My 757 was able to be turned down to under 1 mw from the front panel
for QRP work, and had a good built in keyer and CW filter...

73

Jeff, AC4HF
--
Jeff M. Gold, AC4HF
Manager, Academic Computing Support
Tennessee Technological University

Date: 21 Nov 93 18:46:55 GMT
From: news-mail-gateway@ucsd.edu
Subject: TenTen Scout 555 or Yaesu FT-747GX?
To: ham-equip@ucsd.edu

At the end of the Summer, I received information from Ten-Tec about the Scout
555. At the time, I was debating whether a Scout 555 or a Yaesu FT-747GX should
be the next toy for the automobile. In the end, I decided to wait, but kept
the literature. Below are the specs I received from Ten-Tec, current at least
as of August, 1993:

General Specifications
Modes: CW, LSB, USB (Normal sideband for the band in use)
Frequency Range: All ham bands 160 through 10 meters available through plug in
   modules. Overshoot at upper and lower edges.
Display: 4 digit to 100 Hz resolution, .56" LED
Frequency Control: Permeability tuned oscillator (PTO) mixed with a crystal
   oscillator for each band.
Offset Tuning: +/- 1 KHz nominal - receive
Frequency Accuracy: +/- 100 Hz @ 25 deg. C
Antenna: 50 ohms unbalanced.
Power Required: @ 12-14 VDC; 600 ma receive, 10 A transmit @ 50 watts out,
   4.5 A @ 5 watts out.

Construction: G10 epoxy glass boards, most field replaceable. Molded plastic
   front panel, aluminum chassis, steel top and bottom.
Dimensions: HWD 2.5" x 7.25" x 9.75" (6.4cm x 18.4 cm x 24.8 cm)
Weight: 5 lbs., 3 oz. (2.4 Kg)

Transmitter
RF Output: 50 watts, ALC controlled, internal adjustment to reduce power.
DC Input: 125 watts maximum @ 14 volts, 100% duty cycle for 5 minutes.
Microphone Input: 200 ohms to 50K ohms, accepts microphones with 5 mv (-62 dB)
   output. Polarizing voltage provided for electrets.
T/R Switching: PTT on SSB, QSK on CW
Iambic Keyer: Adjustable 5 - 50 WPM; Curtis type B, 15% fixed weighting
CW offset: 700 Hz
Metering: SWR or Fwd power, rear panel switched.
SSB Generation: Balanced modulator, 8 pole crystal filter
Carrier Suppression: -45 dB typical
Unwanted Sideband: -45 dB typical at 1.5 KHz tone
Third Order Intermod: 30 dB below two tone at 50 watts PEP

Receiver
Sensitivity: 0.35 uV typical for 10 dB @ 2.4 KHz bandwidth
Selectivity: "Jones" 8 pole crystal filter front panel adjustable 500 Hz
   to 2.4 KHz
Dynamic Range: 85 dB @ 2.4 KHz bandwidth at 20 KHz spacing
Third Order Intercept: +1 dBm
Noise Floor: -126 dBm typical
S-Meter: Calibrated for 50 uV at S9
I-F Frequency: 6.144 MHz
Noise Blanker: Optional plug-in board
Audio: 1 watt @ 8 ohms with less than 2% distortion
Speaker: 3 inch (7.6 cm)

These are all Ten-Tec's figures, and as I have nothing to do with Ten-Tec, all
I can verify is my typing. :-) A quick look at the FT-747GX's claimed numbers
shows that the receiver is a little *more* sensitive (0.25 uV as opposed to
0.35 uV for the Scout). This might all be moot, however, as Yaesu doesn't
advertise the noise floor of the 747's receiver. Even so, going only by
Ten-Tec's numbers, this radio is their least sensitive model. (Argo II and
Delta II claim 0.25 uV; Paragon and Omni IV claim 0.15 uV).

73 de John, N9MDH

JBEverman @ StThomas.Edu
    n9mdh @ seminary.n9mdh.ampr.org
    n9mdh @ wb0gdb.mn.usa.noam

End of Ham-Equip Digest V93 #109
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